

WEST Search History

DATE: Wednesday, October 01, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=AND</i>			
L5	L3 and (hydroxyl\$2ammonium)	0	L5
L4	L3 and (hydroxyl\$2amine)	26	L4
L3	L2 and polyethylene\$2glycol	76	L3
L2	l1 and ((hydrochloric adj acid) or HCl)	5917	L2
L1	(copper adj sul\$2ate) or "CuSO.sub.4\$25H.sub.2O"	17063	L1

END OF SEARCH HISTORY

=> d all 8 13

L3 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1990:434228 CAPLUS
DN 113:34228
TI Determination of formaldehyde in electroless copper plating solution by
potentiometric titration
AU Mizumoto, Shozo; Nawafune, Hidemi; Kawasaki, Motoo; Kinoshita, Akemi;
Araki, Ken
CS Fac. Sci., Konan Univ., Kobe, 658, Japan
SO Hyomen Gijutsu (1990), 41(4), 412-16
CODEN: HYGIEX; ISSN: 0915-1869
DT Journal
LA Japanese
CC 80-6 (Organic Analytical Chemistry)
Section cross-reference(s): 72
AB HCHO was detd. in electroless Cu plating soln. with a detection limit of
10 ppm by potentiometric titrn. with a std. NH₂OH.HCl soln.
using Ag as an indicator electrode. The reaction of HCHO with NH₂OH.
HCl was quant. with a sharp potential change at the equiv. point.
Potentiometric behavior of the Ag indicator electrode during the titrn.
was explained by a mixed-potential theory, in which the rest potential is
controlled by the anodic oxidn. process of HCHO and NH₂OH.HCl
before and after the equiv. pont, resp., and the cathodic redn. process
of
dissolved O.
ST formaldehyde detn copper plating soln; potentiometry titrn formaldehyde
detn
IT 50-00-0, Formaldehyde, analysis
RL: ANT (Analyte); ANST (Analytical study)
(detn. of, in copper plating soln. by potentiometric titrn.)
IT 5470-11-1, Hydroxylammonium chloride
RL: ANST (Analytical study)
(in detn. of formaldehyde, by potentiometric titrn.)
IT 7440-22-4, Silver, uses and miscellaneous
RL: ANST (Analytical study); USES (Uses)
(indicator electrode, in potentiometric titrn. of formaldehyde)
IT 7758-98-7, **Copper sulfate**, uses and miscellaneous
RL: ANST (Analytical study); USES (Uses)
(plating soln. for, detn. of formaldehyde in, by potentiometric
titrn.)

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=> d 19

L7 ANSWER 19 OF 19 REGISTRY COPYRIGHT 2003 ACS on STN
RN 10039-54-0 REGISTRY
CN Hydroxylamine, sulfate (2:1) (salt) (8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Hydroxylamine, sulfate (7CI)
OTHER NAMES:
CN Bis(hydroxylamine) sulfate
CN Di(hydroxylamine) sulfate
CN Envision MLB 2030
CN Hydroxyl ammonium sulfate ((HONH3)2SO4)
CN Hydroxylamine neutral sulfate
CN Hydroxylammonium sulfate
CN Lanasane LAB
CN Oxammonium sulfate
MF H3 N O . 1/2 H2 O4 S
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CAOLD,
CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, EMBASE,
GMELIN*, IFICDB, IFIPAT, IFIUDB, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*,
PIRA, PROMT, RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

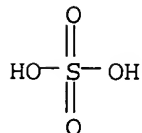
CM 1

CRN 7803-49-8
CMF H3 N O

H₂N—OH

CM 2

CRN 7664-93-9
CMF H2 O4 S



1009 REFERENCES IN FILE CA (1907 TO DATE)
20 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1011 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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=> s hydroxylamine chloride/cn
L3 1 HYDROXYLAMINE CHLORIDE/CN

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN { 5470-11-1 REGISTRY
CN Hydroxylamine, hydrochloride (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Hydroxyamine hydrochloride
CN Hydroxyammonium chloride
CN **Hydroxylamine chloride**
CN Hydroxylamine chlorohydrate
CN Hydroxylammonium chloride
CN Oxammonium hydrochloride
MF Cl H . H3 N O
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN,
CSCHEM, DETHERM*, DIPPR*, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, IPA,
MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PROMT, RTECS*, TOXCENTER, ULIDAT,
USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
CRN (7803-49-8)

H₂N—OH

● HCl

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5072 REFERENCES IN FILE CA (1907 TO DATE)
117 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5089 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 15:46:35 ON 01 OCT 2003)

FILE 'CAPLUS' ENTERED AT 15:47:06 ON 01 OCT 2003

L1 5775 S 10039-54-0/RN OR 5470-11-1/RN
L2 49 S L1 AND ((COPPER (A) (SULFATE OR SULPHATE)) OR CUSO?)
L3 13 S L2 AND ((HYDROCHLORIC (A) ACID) OR HCL)
L4 1 S L3 AND (POLYETHYLENE?)

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